

Fig. 1

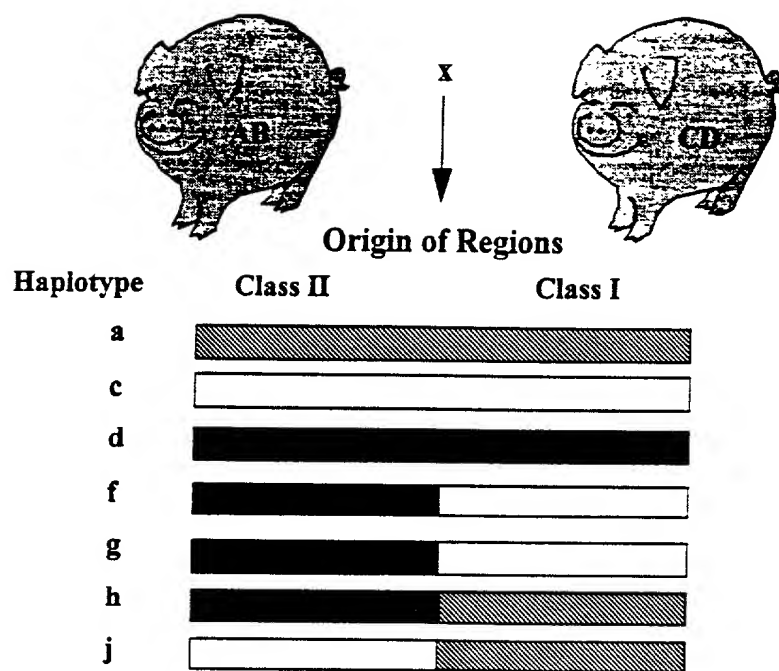


Fig. 2

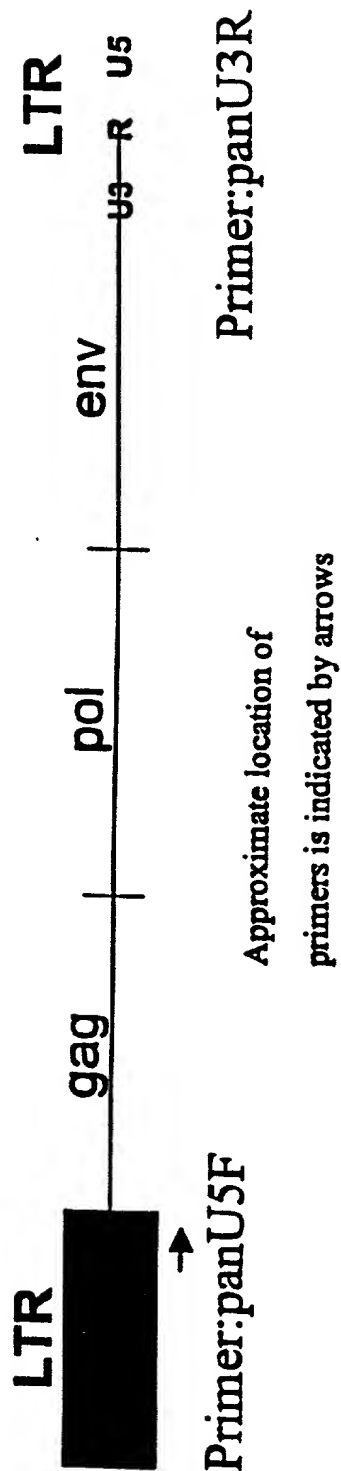


FIGURE 3(a) Sequence of clone 12002-1

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ATGCATCCCA CGTTAAGCCG GCGCCACCTC CCGATTCTGGG GTGGAAAGCC 50
GAAAAGACTG AAAATCCCCT TAAGCTTCGC CTCCATCGCG TGGTTCCTTA 100
CTCTGTCAAT AACTCCTCAA GTTAATGGTA AACGCCTTGT GGACAGCCCCG 150
AACTCCCATA AACCCTTATC TCTCACCTGG TTACTIONTACTG ACTCCGGTAC 200
AGGTATTAAT ATTAACAGCA CTCAAGGGGA GGCTCCCTTG GGGACCTGGT 250
GGCCTGAATT ATATGTCTGC CTTTCGATCAG TAATCCCTGG TCTCAATGAC 300
CAGGCCACAC CCCCCGATGT ACTCCGTGCT TACGGGTTTTT ACGTTTGCTC 350
AGGACCCCCA AATAATGAAG AATATTGCGG AAATCCTCAG GATTTCTTTTT 400
GCAAGCAATG GAGCTGCGTA ACTTCTAATG ATGGGAATTG GAAATGGCCA 450
GTCTCTCAGC AAGACAGAGT AAGTTACTCT TTTGTTAACA ATCCTACCAG 500
TTATAATCAA TTTAATTATG GCCATGGGAG ATGGAAAGAT TGGCAACAGC 550
GGGTACAAAA AGATGTACGA AATAAGCAAA TAAGCTGTCA TTCGTTAGAC 600

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FIGURE 3(b) Sequence of clone 12002-2

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ATGCATCCCA CGTTAAGCCG GCGCCACCTC CCGATTCTGGG GTGGAAAGCC 50
GAAAAGACTG AAAATCCCCT TAAGCTTCGC CTCCATCGCG TGGTTCCTTA 100
CTCTGTCAAT AACTCCTCAA GTTAATGGTA AACGCCTTGT GGACAGCCCCG 150
AACTCCCATA AACCCTTATC TCTCACCTGG TTACTIONTACTG ACTCCGGTAC 200
AGGTATTAAT ATTAACAGCA CTCAAGGGGA GGCTCCCTTG GGGACCTGGT 250
GGCCTGAATT ATATGTCTGC CTTTCGATCAG TAATCCCTGG TCTCAATGAC 300
CAGGCCACAC CCCCCGATGT ACTCCGTGCT TACGGGTTTTT ACGTTTGCCC 350
AGGACCCCCA AATAATGAAG AATATTGTGG AAATCCTCAG GATTTCTTTTT 400
GCAAGCAATG GAGCTGCGTA ACTTCTAATG ATGGGAATTG GAAATGGCCA 450
GTCTCTCAGC AAGACAGAGT AAGTTACTCT TTTGTTAACA ATCCTACCAG 500
TTATAATCAA TTTAATTATG GCCATGGGAG ATGGAAAGAT TGGCAACAGC 550
GGGTACAAAA AGATGTACGA AATAAGCAAA TAAGCTGTCA TTCGTTAGAC 600

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FIGURE 3(c) Sequence of clone 12002-3

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ATGCATCCCA CGTTAAGCCG GCGCCACCTC CCGATTCTGGG GTGGAAAGCC 50
GAAAAGACTG AAAATCCCCT TAAGCTTCGC CTCCATCGCG TGGTTCCTTA 100
CTCTGTCAAT AACTCCTCAA GTTAATGGTA AACGCCTTGT GGACAGCCCCG 150
AACTCCCATA AACCCTTATC TCTCACCTGG TTACTIONTACTG ACTCCGGTAC 200
AGGTATTAAT ATTAACAGCA CTCAAGGGGA GGCTCCCTTG GGGACCTGGT 250
GGCCTGAATT ATATGTCTGC CTTTCGATCAG TAATCCCTGG TCTCAATGAC 300
CAGGCCACAC CCCCCGATGT ACTCCGTGCT TACGGGTTTTT ACGTTTGCCC 350
AGGACCCCCA AATAATGAAG AATATTGTGG AAATCCTCAG GATTTCTTTTT 400
GCAAGCAATG GAGCTGCGTA ACTTCTAATG ATGGGAATTG GAAATGGCCA 450
GTCTCTCAGC AAGACAGAGT AAGTTACTCT TTTGTTAACA ATCCTACCAG 500
TTATAATCAA TTTAATTATG GCCATGGGAG ATGGAAAGAT

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FIGURE 3(d) Sequence of clone 12002-4

ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTCGGG	GTGGAAAGCC	50
GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
CTCTGTCAAT	AACTCCTCAA	GTTAATGGTA	AACGCCTTGT	GAACAGTCCG	150
AACTCCCATA	AACCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
GTCTCTCAGC	AAGACAGAGT	AAGTACTCT	TTTGTTAACA	ATCCTACCAG	500
TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGAC	600

FIGURE 3(e) Sequence of clone 12002-5

ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTCGGG	GTGGAAAGCC	50
GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
CTCTGTCAAT	AACTCCTCAA	GTTAATGGTA	AACGCCTTGT	GAACAGTCCG	150
AACTCCCATA	AACCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
GTCTCTCAGC	AAGACAGAGT	AAGTACTCT	TTTGTTAACA	ATCCTACCAG	500
TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA	

FIGURE 3(f) Sequence of clone 12002-6

ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTCGGG	GTGGAAAGCC	50
GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
CTCTGTCAAT	AACTCCTCAA	GTTAATGGTA	AACGCCTTGT	GAACAGTCCG	150
AACTCCCATA	AACCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
GTCTCTCAGC	AAGACAGAGT	AAGTACTCT	TTTGTTAACA	ATCCTACCAG	500
TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA	

FIGURE 3(g) Sequence of clone 12002-7

ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTCGGG	GTGGAAAGCC	50
GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
CTCTGTCAAT	AACTCCTCAA	GTTAATGGTA	AACGCCTTGT	GAACAGTCCG	150
AACTCCCATA	AACCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGAC	600

12002-7

FIGURE 4

Comparison of sequences of clones 12002-1 though 12002-7

12002-1.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTCGGG	GTGGAAAGCC	50
12002-2.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTCGGG	GTGGAAAGCC	50
12002-3.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTCGGG	GTGGAAAGCC	50
12002-4.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTCGGG	GTGGAAAGCC	50
12002-5.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTCGGG	GTGGAAAGCC	50
12002-6.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTCGGG	GTGGAAAGCC	50
12002-7.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTCGGG	GTGGAAAGCC	50
12002-1.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
12002-2.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
12002-3.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
12002-4.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
12002-5.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
12002-6.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
12002-7.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
12002-1.DNA	101	CTCTGTCAAT	AACCTCCTCA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCC	150
12002-2.DNA	101	CTCTGTCAAT	AACCTCCTCA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCC	150
12002-3.DNA	101	CTCTGTCAAT	AACCTCCTCA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCC	150
12002-4.DNA	101	CTCTGTCAAT	AACCTCCTCA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCC	150
12002-5.DNA	101	CTCTGTCAAT	AACCTCCTCA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCC	150
12002-6.DNA	101	CTCTGTCAAT	AACCTCCTCA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCC	150
12002-7.DNA	101	CTCTGTCAAT	AACCTCCTCA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCC	150
12002-1.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
12002-2.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
12002-3.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
12002-4.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
12002-5.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
12002-6.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
12002-7.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
12002-1.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
12002-2.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
12002-3.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
12002-4.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
12002-5.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
12002-6.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
12002-7.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
12002-1.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
12002-2.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
12002-3.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
12002-4.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
12002-5.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
12002-6.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
12002-7.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
12002-1.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
12002-2.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
12002-3.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
12002-4.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
12002-5.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
12002-6.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
12002-7.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
12002-1.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
12002-2.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
12002-3.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
12002-4.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
12002-5.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
12002-6.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400
12002-7.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCTTTT	400

Figure 4 (cont'd)

12002-1.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
12002-2.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
12002-3.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
12002-4.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
12002-5.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
12002-6.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
12002-7.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
12002-1.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
12002-2.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
12002-3.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
12002-4.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
12002-5.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
12002-6.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
12002-7.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
12002-1.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
12002-2.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
12002-3.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	-----	550
12002-4.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
12002-5.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
12002-6.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
12002-7.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
12002-1.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGAC	600
12002-2.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGAC	600
12002-3.DNA	551	-----	-----	-----	-----	-----	600
12002-4.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGAC	600
12002-5.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGAC	600
12002-6.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGAC	600
12002-7.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGAC	600

FIGURE 5(a) Sequence from 11619-1

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ATGCATCCCA CGTTAAGCCG GCGCCACCTC CCGATTCTGG GTGGAAAGCC 50
GAAAAGACTG AAAATCCCCT TAAGCTTCGC CTCCATCGCG TGGTTCCTTA 100
CTCTGTCAAT AACTCCTCAA GTTAATGGTA AACGCCTTGT GGACAGCCCG 150
AACTCCCAT AACCCTTATC TCTCACCTGG TTACTTACTG ACTCCGGTAC 200
AGGTATTAAT ATTAACAGCA CTCAAGGGGA GGCTCCCTTG GGGACCTGGT 250
GGCCTGAATT ATATGTCTGC CTTGATCAG TAATCCCTGG TCTCAATGAC 300
CAGGCCACAC CCCCCGATGT ACTCCGTGCT TACGGGTTTT ACGTTTGCCC 350
AGGACCCCCA AATAATGAAG AATATTGTGG AAATCCTCAG GATTTCTTTT 400
GCAAGCAATG GAGCTGCGTA ACTTCTAATG ATGGGAATTG GAAATGGCCA 450
GTCTCTCAGC AAGACAGAGT AAGTTACTCT TTTGTTAACA ATCCTACCAG 500
TTATAATCAA TTTAATTATG GCCATGGGAG ATGGAAAGAT TGGCAACAGC 550
GGGTACAAAA AGATGTACGA AATAAGCAAA TAAGCTGTCA TTCGTTAGA

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FIGURE 5(b) Sequence from 11619-2

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ATGCATCCCA CGTTAAGCCG GCGCCACCTC CCGATTCTGG GTGGAAAGCC 50
GAAAAGACTG AAAATCCCCT TAAGCTTCGC CTCCATCGCG TGGTTCCTTA 100
CTCTGTCAAT AACTCCTCAA GTTAATGGTA AACGCCTTGT GGACAGCCCG 150
AACTCCCAT AACCCTTATC TCTCACCTGG TTACTTACTG ACTCCGGTAC 200
AGGTATTAAT ATTAACAGCA CTCAAGGGGA GGCTCCCTTG GGGACCTGGT 250
GGCCTGAATT ATATGTCTGC CTTGATCAG TAATCCCTGG CCTCAATGAC 300
CAGGCCACAC CCCCCGATGT ACTCCGTGCT TACGGGTTTT ACGTTTGCCC 350
AGGACCCCCA AATAATGAAG AATATTGTGG AAATCCTCAG GATTTCTTTT 400
GCAAGCAATG GAGCTGCGTA ACTTCTAATG ATGGGAATTG GAAATGGCCA 450
GTCTCTCAGC AAGACAGAGT AAGTTACTCT TTTGTTAACA ATCCTACCAG 500
TTATAATCAA TTTAATTATG GCCATGGGAG ATGGAAAGAT TGGCAACAGC 550
GGGTACAAAA AGATGTACGA AATAAGCAAA TAAGCTGTCA TTCGTTAGA

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FIGURE 5(c) Sequence from 11619-3

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ATGCATCCCA CGTTAAGCCG GCGCCACCTC CCGATTCTGG GTGGAAAGCC 50
GAAAAGACTG AAAATCCCCT TAAGCTTCGC CTCCATCGCG TGGTTCCTTA 100
CTCTGTCAAT AACTCCTCAA GTTAATGGTA AACGCCTTGT GGACAGCCCG 150
AACTCCCAT AACCCTTATC TCTCACCTGG TTACTTACTG ACTCCGGTAC 200
AGGTATTAAT ATTAACAGCA CTCAAGGGGA GGCTCCCTTG GGGACCTGGT 250
GGCCTGAATT ATATGTCTGC CTTGATCAG TAATCCCTGG TCTCAATGAC 300
CAGGCCACAC CCCCCGATGT ACTCCGTGCT TACGGGTTTT ACGTTTGCCC 350
AGGACCCCCA AATAATGAAG AATATTGTGG AAATCCTCAG GATTTCTTTT 400
GCAAGCAATG GAGCTGCGTA ACTTCTAATG ATGGGAATTG GAAATGGCCA 450
GTCTCTCAGC AAGACAGAGT AAGTTACTCT TTTGTTAACA ATCCTACCAG 500
TTATAATCAA TTTAATTATG GCCATGGGAG ATGGAAAGAT TGGCAACAGC 550
GGGTACAAAA AGATGTACGA AATAAGCAAA TAAGCTGTCA TTCGTTAGA

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FIGURE 5(d) Sequence from 11619-4

```
GACAGCCCGA ACTCCCATAA ACCCTCATCT CTCACCTGGT TACTTACTGA 50
CTCCGGTACA GGTATTAATA TTAACAGCAC TCAAGGGGAG GCTCCCTTGG 100
GGACCTGGTG GCCTGAATTA TATGTCTGCC TTCGATCAGT AATCCCTGGT 150
CTCAATGACC AGGCCACACC CCCCAGATGTA CTCCGTGCTT ACGGGTTTTA 200
CGTTTGCCCA GGACCCCCAA ATAATGAAGA ATATTGTGGA AATCCTCAGG 250
ATTTCTTTTG CAAGCAATGG AGCTGCGTAA CTTCTAATGA TGGGAATTGG 300
AAATGGCCAG TCTCTCAGCA AGACAGAGTA AGTTACTCTT TTGTTAACAA 350
TCCTACCTAT AATAATCAAT TTAATTATGG CCATGGGAGA TGGAAAGATT 400
GGCAACAGCG GGTACAAAAA GATGTACGAA ATAAGCAAAT AAGCTGTCAT 450
TCGTTAGA
```

FIGURE 5(e) Sequence from 11619-5

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TTAATGGTAA ACGCCTTGTG GACAGCCCGA ACTCCCATAA ACCCTTATCT 50
CTCACCTGGT TACTTACTGA CTCCGGTACA GGTATTAATA TTAACAGCAC 100
TCAAGGGGAG GCTCCCTTGG GGACCTGGTG GCCTGAATTA TATGTCTGCC 150
TTCGATCAGT AATCCCTGGT CTCAATGACC AGGCCACACC CCCCAGATGTA 200
CTCCGTGCTT ACGGGTTTTA CGTTTGCCCA GGACCCCCAA ATAATGAAGA 250
ATATTGTGGA AATCCTCAGG ATTTCTTTTG CAGGCAATGG AGCTGCGTAA 300
CTTCTAATGA TGGAAATTGG AAATGGCCAG TCTCTCAGCA AGACAGAGTA 350
AGTTACTCTT TTGTTAACAA TCCTACCAGT TATAATCAAT TTAATTATGG 400
CCATGGGAGA TGGAAAGATT GGCAACAGCG GGTACAAAAA GATGTACGAA 450
ATAAGCAAAT AAGCTGTCAT TCGTTAGA
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FIGURE 5(f) Sequence from 11619-6

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TTAATGGTAA ACGCCTTGTG GACAGCCCGA ACTCCCATAA ACCCTTATCT 50
CTCACCTGGT TACTTACTGA CTCCGGTACA GGTATTAATA TTAACAGCAC 100
TCAAGGGGAG GCTCCCTTGG GGACCTGGTG GCCTGAATTA TATGTCTGCC 150
TTCGATCAGT AATCCCTGGT CTCAATGACC AGGCCACACC CCCCAGATGTA 200
CTCCGTGCTT ACGGGTTTTA CGTTTGCCCA GGACCCCCAA ATAATGAAGA 250
ATATTGTGGA AATCCTCAGG ATTTCTTTTG CAAGCAATGG AGCTGCGTAA 300
CTTCTAATGA TGGGAATTGG AAATGGCCAG TCTCTCAGCA AGACAGAGTA 350
AGTTACTCTT TTGTTAACAA TCCTACCAGT TATAATCAAT TTAATTATGG 400
CCATGGGAGA TGGAAAGATT GGCAACAGCG GGTACAAAAA GATGTACGAA 450
ATAAGCAAAT AAGCTGTCAT TCGTTAGA
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FIGURE 5(g) Sequence from 11619-7

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GACAGCCCGA ACTCCCATAA ACCCTTATCT CTCACCTGGT TACTTACTGA 50
CTCCGGTACA GGTATTAATA TTAACAGCAC TCAAGGGGAG GCTCCCTTGG 100
GGACCTGGTG GCCTGAATTA TATGTCTGCC TTCGATCAGT AATCCCTGGT 150
CTCAATGACC AGGCCACACC CCCCGATGTA CTCCGTGCTT ACGGGTTTTA 200
CGTTTGCCCA GGACCCCCAA ATAATGAAGA ATATTGTGGA AATCCTCAGG 250
ATTTCTTTTG CAAGCAATGG AGCTGCGTAA CTTCTAATGA TGGGAATTGG 300
AAATGGCCAG TCTCTCAGCA AGACAGAGTA AGTTACTCTT TTGTTAACAA 350
TCCTACCAGT TATAATCAAT TTAATTATGG CCATGGGAGA TGGAAAGATT 400
GGCAACAGCG GGTACAAAAA GATGTACGAA ATAAGCAAAT AAGCTGTCAT 450
TCGTTAGA
```

FIGURE 5(h) Sequence from 11619-8

```
TTAATGGTAA ACGCCTTGTG GACAGCCCGA ACTCCCATAA ACCCTTATCT 50
CTCACCTGGT TACTTACTGA CTCCGGTACA GGTATTAATA TTAACAGCAC 100
TCAAGAGGAG GCTCCCTTGG GGACCTGGTG GCCTGAATTA TATGTCTGCC 150
TTCGATCAGT AATCCCTGGT CTCAATGACC AGGCCACACC CCCCGATGTA 200
CTCCGTGCTT ACGGGTTTTA CGTTTGCCCA GGACCCCCAA ATAATGAAGA 250
ATATTGTGGA AATCCTCAGG ATTTCTTTTG CAAGCAATGG AGCTGCGTAA 300
CTTCTAATGA TGGGAATTGG AAATGGCCAG TCTCTCAGCA AGACAGAGTA 350
AGTTACTCTT TTGTTAACAA TCCTACCAGT TATAATCAAT TTAATTATGG 400
CCATGGGAGA TGGAAAGATT GGCAACAGCG GGTACAAAAA GATGTACGAA 450
ATAAGCAAAT AAGCTGTCAT TCGTTAGA
```

FIGURE 5(i) Sequence from 11619-9

```
TTAATGGTAT GCGCCTTGTG GACTGCCCCG ACTCCCATAA ACCCTTATCT 50
CTCACCTGGT TACTTACTGA CTCCGGTACA GGTATTAATA TTAACATCAC 100
TCAAGGGGAG GCTCCCTTGG GGACCTGGTG GCCTGAATTA TATGTCTGCC 150
TTCGATCAGT AATCCCTGGT CTCAATGACC AGGCCACACC CCCCGATGTA 200
CTCCGTGCTT ACGGGTTTTA CGTTTGCCCA GGACCCCCAA ATAATGAAGA 250
ATATTGTGGA AATCCTCAGG ATTTCTTTTG CAAGCAATGG AGCTGCGTAA 300
CTTCTAATGA TGGGAATTGG AAATGGCCAG TCTCTCAGCA AGACAGAGTA 350
AGTTACTCTT TTGTTAACAA TCCTACCAGT TATAATCAAT TTAATTATGG 400
CCATGGGAGA TGGAAAGATT GGCAACAGCG GGTACAAAAA GATGTACGAA 450
ATAAGCAAAT AAGCTGTCAT TCGTTAGA
```

FIGURE 6 Comparison of the sequences derived from pig 11619

11619-1.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTGCGG	GTGGAAAGCC	50
11619-2.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTGCGG	GTGGAAAGCC	50
11619-3.DNA	1	ATGCATCCCA	CGTTAAGCCG	GCGCCACCTC	CCGATTGCGG	GTGGAAAGCC	50
11619-4.DNA	1	-----	-----	-----	-----	-----	50
11619-5.DNA	1	-----	-----	-----	-----	-----	50
11619-6.DNA	1	-----	-----	-----	-----	-----	50
11619-7.DNA	1	-----	-----	-----	-----	-----	50
11619-8.DNA	1	-----	-----	-----	-----	-----	50
11619-9.DNA	1	-----	-----	-----	-----	-----	50
11619-1.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
11619-2.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
11619-3.DNA	51	GAAAAGACTG	AAAATCCCCT	TAAGCTTCGC	CTCCATCGCG	TGGTTCCTTA	100
11619-4.DNA	51	-----	-----	-----	-----	-----	100
11619-5.DNA	51	-----	-----	-----	-----	-----	100
11619-6.DNA	51	-----	-----	-----	-----	-----	100
11619-7.DNA	51	-----	-----	-----	-----	-----	100
11619-8.DNA	51	-----	-----	-----	-----	-----	100
11619-9.DNA	51	-----	-----	-----	-----	-----	100
11619-1.DNA	101	CTCTGTCAAT	AACCTCCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCCG	150
11619-2.DNA	101	CTCTGTCAAT	AACCTCCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCCG	150
11619-3.DNA	101	CTCTGTCAAT	AACCTCCTCAA	GTTAATGGTA	AACGCCTTGT	GGACAGCCCCG	150
11619-4.DNA	101	-----	-----	-----	-----	-GACAGCCCCG	150
11619-5.DNA	101	-----	-----	-TTAATGGTA	AACGCCTTGT	GGACAGCCCCG	150
11619-6.DNA	101	-----	-----	-TTAATGGTA	AACGCCTTGT	GGACAGCCCCG	150
11619-7.DNA	101	-----	-----	-----	-----	-GACAGCCCCG	150
11619-8.DNA	101	-----	-----	-TTAATGGTA	AACGCCTTGT	GGACAGCCCCG	150
11619-9.DNA	101	-----	-----	-TTAATGGTA	TGCGCCTTGT	GGACTGCCCCG	150
11619-1.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
11619-2.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
11619-3.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
11619-4.DNA	151	AACCTCCATA	AACCCCTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
11619-5.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
11619-6.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
11619-7.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
11619-8.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
11619-9.DNA	151	AACCTCCATA	AACCCCTTATC	TCTCACCTGG	TTACTTACTG	ACTCCGGTAC	200
11619-1.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
11619-2.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
11619-3.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
11619-4.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
11619-5.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
11619-6.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
11619-7.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
11619-8.DNA	201	AGGTATTAAT	ATTAACAGCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
11619-9.DNA	201	AGGTATTAAT	ATTAACATCA	CTCAAGGGGA	GGCTCCCTTG	GGGACCTGGT	250
11619-1.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
11619-2.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
11619-3.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
11619-4.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
11619-5.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
11619-6.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
11619-7.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
11619-8.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
11619-9.DNA	251	GGCCTGAATT	ATATGTCTGC	CTTCGATCAG	TAATCCCTGG	TCTCAATGAC	300
11619-1.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
11619-2.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
11619-3.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
11619-4.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
11619-5.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
11619-6.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
11619-7.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
11619-8.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350
11619-9.DNA	301	CAGGCCACAC	CCCCCGATGT	ACTCCGTGCT	TACGGGTTTT	ACGTTTGCCC	350

Figure 6 (cont'd)

11619-1.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCCTTT	400
11619-2.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCCTTT	400
11619-3.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCCTTT	400
11619-4.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCCTTT	400
11619-5.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCCTTT	400
11619-6.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCCTTT	400
11619-7.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCCTTT	400
11619-8.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCCTTT	400
11619-9.DNA	351	AGGACCCCCA	AATAATGAAG	AATATTGTGG	AAATCCTCAG	GATTTCCTTT	400
11619-1.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
11619-2.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
11619-3.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
11619-4.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
11619-5.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
11619-6.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
11619-7.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
11619-8.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
11619-9.DNA	401	GCAAGCAATG	GAGCTGCGTA	ACTTCTAATG	ATGGGAATTG	GAAATGGCCA	450
11619-1.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
11619-2.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
11619-3.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
11619-4.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
11619-5.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
11619-6.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
11619-7.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
11619-8.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
11619-9.DNA	451	GTCTCTCAGC	AAGACAGAGT	AAGTTACTCT	TTTGTTAACA	ATCCTACCAG	500
11619-1.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
11619-2.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
11619-3.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
11619-4.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
11619-5.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
11619-6.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
11619-7.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
11619-8.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
11619-9.DNA	501	TTATAATCAA	TTTAATTATG	GCCATGGGAG	ATGGAAAGAT	TGGCAACAGC	550
11619-1.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA.	600
11619-2.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA.	600
11619-3.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA.	600
11619-4.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA.	600
11619-5.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA.	600
11619-6.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA.	600
11619-7.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA.	600
11619-8.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA.	600
11619-9.DNA	551	GGGTACAAAA	AGATGTACGA	AATAAGCAAA	TAAGCTGTCA	TTCGTTAGA.	600

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